

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1-35 (Cancelled)

36. (Currently Amended) An inkjet-device for containing, degassing and supplying ink to a printhead, the device, comprising:

a container for containing the ink and for supplying ink to the printhead;

means for supplying a gas to the container to bubble through the ink in the container;

a controller for controlling at least the gas supplying means to operate in at least two modes, including:

a degassing mode wherein the pressure in the container is at a degassing pressure and wherein the gas supplying means is controlled to supply the gas at a pressure above the degassing pressure to bubble through the ink; and

an ink supplying mode wherein the pressure in the container is at an ink delivery pressure.

37. (Cancelled).

38. (Previously Presented) Apparatus according to Claim 36, further comprising a printhead remote from the container.

39. (Previously Presented) Apparatus according to Claim 36, further comprising means for setting the pressure in the container; and wherein the controller is arranged to control the pressure setting means to set the pressure in the container to the degassing pressure or ink delivery pressure according to the mode.

40. (Previously Presented) Apparatus according to Claim 36, wherein the temperature and pressure in the degassing mode and the gas solubility are selected so that the equilibrium mass proportion of dissolved gas in the ink in the degassing mode is no more than 80% of the saturation mass proportion at the ink delivery pressure and temperature.

41. (Previously Presented) Apparatus according to Claim 40, wherein the equilibrium mass proportion of dissolved gas in the ink in the degassing mode is no more than 60% of the saturation mass proportion at the ink delivery pressure and temperature.

42. (Previously Presented) Apparatus according to Claim 39, wherein the degassing pressure is lower than the ink delivery pressure.

43. (Previously Presented) Apparatus according to Claim 36, further comprising means for setting the temperature in the container to an elevated degassing temperature.

44. (Previously Presented) Apparatus according to Claim 43, further comprising means for cooling the ink to an ink delivery temperature below the degassing temperature.

45. (Previously Presented) Apparatus according to Claim 44, wherein the cooling means is outside the container.

46. (Previously Presented) Apparatus according to Claim 36, further comprising at least one printhead and a local ink refill system associated with the or each printhead; wherein the container is arranged to supply ink to the at least one local ink refill system in the ink supplying mode.

47. (Previously Presented) Apparatus according to Claim 36, wherein the degassing pressure is lower than atmospheric pressure, and the gas supplying means is arranged to supply gas, preferably air, substantially at atmospheric pressure.

48. (Previously Presented) Apparatus according to Claim 36, wherein the degassing pressure is below 900mbar.

49. (Previously Presented) Apparatus according to Claim 36, wherein the degassing pressure is below 600mbar.

50. (Previously Presented) Apparatus according to Claim 39, further comprising a bubble bursting means between the ink container and the pressure setting means.

51. (Previously Presented) Apparatus according to Claim 36, wherein the gas supplying means is arranged to supply a gas less soluble in the ink than air.

52. (Previously Presented) Apparatus according to Claim 51, where the gas is Helium.

53. (Previously Presented) Apparatus according to Claim 36, wherein the gas supplying means is arranged to supply gas to bubble through a major portion of the ink.

54. (Previously Presented) Apparatus according to Claim 36, wherein the gas supplying means includes an inlet adjacent the base of the container so that gas introduced bubbles upwardly through the container.

55. (Previously Presented) Apparatus according to Claim 36, wherein the ink container has a greater height than at least one of its horizontal dimensions.

56. (Previously Presented) Apparatus according to Claim 36, wherein the ink container is generally columnar having a greater height than any horizontal dimension.

57. (Previously Presented) Printing apparatus comprising a plurality of inkjet devices, each as described in Claim 36.

58. (Previously Presented) Apparatus according to Claim 57, wherein each inkjet device contains ink of a different colour.

59. (Previously Presented) Apparatus according to Claim 36, further comprising at least one filter positioned to filter gas flowing from the gas supplying means to the ink container.

60. (Previously Presented) Apparatus according to Claim 59, further comprising restriction means for restricting the flow of gas from the gas supplying means to the ink container.

61. (Previously Presented) Apparatus according to Claim 60, wherein the restriction means is provided by the at least one filter.

62. (Currently Amended) A method for degassing ink in a container in an inkjet device, the container being arranged for supplying ink to a printhead, the method comprising controlling the inkjet device between two modes of operation, including: a degassing mode, in which the pressure in the container is at a degassing pressure and gas is supplied by gas supplying means at a pressure above the degassing pressure to bubble through the ink in the container; and an ink supplying mode, in which the pressure in the container is at an ink delivery pressure when the device is supplying ink to the printhead.

63. (Previously Presented) A method according to Claim 62, further comprising setting the pressure in the container to the degassing pressure or the ink delivery pressure depending on the mode.

64. (Previously Presented) A method according to Claim 63, wherein the degassing pressure is lower than the ink delivery pressure.

65. (Previously Presented) A method according to Claim 62, further comprising setting the temperature in the container to an elevated degassing temperature.

66. (Previously Presented) A method according to Claim 65, further comprising cooling the ink to an ink delivery temperature below the degassing temperature.

67. (Previously Presented) A method according to Claim 66, wherein cooling is performed outside the container.

68. (Previously Presented) A method according to Claim 62, wherein the degassing pressure is lower than atmospheric pressure and the gas supplied is at atmospheric pressure, and preferably wherein the gas is air.

69. (Previously Presented) A method according to Claim 62, wherein the gas supplied is less soluble in the ink than air.